

PAT-NO: JP360120411A
DOCUMENT- JP 60120411 A
IDENTIFIER:
TITLE: REMOTE CONTROL METHOD OF INDUSTRIAL MACHINE SUCH
AS CRANE
PUBN-DATE: June 27, 1985

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APPL-NO: JP58227697
APPL-DATE: December 1, 1983

INT-CL (IPC): G05B024/02 , B66C013/44 , G01L003/00

US-CL-CURRENT: 318/16

ABSTRACT:

PURPOSE: To improve the safety and the operability of a device by using voice recognition to issue an operation command with a voice.

CONSTITUTION: A remote control box 2 has a microphone 10, a push button for operation executing command, a transmitter 13 and a receiver 14 for a crane controller 3, etc. The crane controller 3 has a voice recognizing device 18, a voice synthesizing device 19, a transmitter 20, a receiver 16, etc. In the remote control of a crane, an operator speaks a preliminarily registered command word, and contents of this command are transmitted from the transmitter 13 through the receiver 16 of the controller 3 and are recognized by the voice recognizing device 17 and are stored in an operation command storage device 18. Simultaneously, a voice indicating an operation command is synthesized by the voice synthesizing device 19 and is monitored through the transmitter 20 and the receiver 16 by an earphone 15. If this command and monitor contents coincide with each other, said command push button 11 is depressed to issue two kinds of operation signal alternately, and the commanded operation is started.

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